

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/759,785
Source: 1Fwo
Date Processed by STIC: 3/16/05

ENTERED



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/759,785

DATE: 03/16/2005
TIME: 16:24:52

Input Set : A:\Seqlist.txt
Output Set: N:\CRF4\03162005\J759785.raw

```

4 <110> APPLICANT: Levine, Robert Paul
6 <120> TITLE OF INVENTION: Kluyveromyces Strains Metabolizing
7 Cellulosic and Hemicellulosic Materials
10 <130> FILE REFERENCE: PHAGE.018A
12 <140> CURRENT APPLICATION NUMBER: 10/759,785
13 <141> CURRENT FILING DATE: 2004-01-16
15 <150> PRIOR APPLICATION NUMBER: 60/442,455
16 <151> PRIOR FILING DATE: 2003-01-24
18 <160> NUMBER OF SEQ ID NOS: 7
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 542
24 <212> TYPE: DNA
25 <213> ORGANISM: Kluyveromyces marxianus strain SSSJ-0
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: 12, 18
30 <223> OTHER INFORMATION: n = A,T,C or G
32 <400> SEQUENCE: 1
W--> 33 ccaaccggga tngcctngt aacggcgagt gaagccgcaa aagctcaa at ttgaaatctg 60
34 gcgtcttcga cgtccgagtt gtaattt gaa gaaggcgact ttgttagctgg tccttgtcta 120
35 tgttccttgg aacaggacgt catagagggt gagaatcccg tggcgagg atcccgat 180
36 tttgtaaatgt gcttcgacg agtcgagttt tttggaaatg cagctctaag tgggtggtaa 240
37 attccatcta aagctaaata ttggcgagag accgatagcg aacaagtaca gtatggaaa 300
38 gataaaaaaga actttgaaaa gagagtgaaa aagtacgtga aattgtt gaa agggaaagggc 360
39 atttgatcag acatggcggt tgcttcggct ttcgctgggc cagcatcagt tttagcggtt 420
40 ggataaaatcc tcggaaatgt ggctctgtt cggttagatg ttatagcccg tggaaataca 480
41 gccagctggg actgaggatt gcgacttttgc tcaaggatgc tggcgtaatg gttaaatgcc 540
42 gc 542
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 24
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Chemically synthesized D1/D2 primer NL-1
52 <400> SEQUENCE: 2
53 gcatatcaat aagcgaggaa aaag 24
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 19
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Chemically synthesized D1/D2 primer NL-4

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63 <400> SEQUENCE: 3 19
 64 ggtccgttgtt tcaagacgg
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 545
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Kluyveromyces marxianus
 71 <400> SEQUENCE: 4
 72 aaaccaaccg ggattgcctt agtaacggcg agtgaagcgg caaaagctca aatttgaat 60
 73 ctggcgtctt cgacgtccga gttgttaattt gaagaaggcg acttttagc tggtccttgt 120
 74 ctatgttcct tggAACAGGA cgtcatagag ggtgagaatc ccgtgtggcg aggatcccag 180
 75 ttatTTGtaa agtgcttcg acgagtcgag ttgttggga atgcagctct aagtgggtgg 240
 76 taaattccat ctaaagctaa atattggcga gagaccgata gcgaacaagt acagtgtatgg 300
 77 aaagatgaaa agaactttga aaagagagtg aaaaagtacg tgaaattgtt gaaagggaaag 360
 78 ggcatttgat cagacatggc gtttgcctcg gcttcgctg ggccagcatc agtttagcg 420
 79 gttggataaaa tcctcggaa tttggctctg cttcgtaga gtgttatagc ccgtggaaat 480
 80 acagccagct gggactgagg attgcgactt ttgtcaagga tgctggcgta atggtaaat 540
 81 gccgc 545
 83 <210> SEQ ID NO: 5
 84 <211> LENGTH: 545
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Kluyveromyces lactis
 88 <400> SEQUENCE: 5
 89 aaaccaaccg ggattgcctt agtaacggcg agtgaagcgg caaaagctca aatttgaat 60
 90 ctggcgtctt cgacgtccga gttgttaattt gaagaaggca acttttagc tggtccttgt 120
 91 ctatgttcct tggAACAGGA cgtcatagag ggtgagaatc ccgtgtggcg aggatcccag 180
 92 ttatTTGtaa agtgcttcg acgagtcgag ttgttggga atgcagctct aagtgggtgg 240
 93 taaattccat ctaaagctaa atattggcga gagaccgata gcgaacaagt acagtgtatgg 300
 94 aaagatgaaa agaactttga aaagagagtg aaaaagtacg tgaaattgtt gaaagggaaag 360
 95 ggcatttgat cagacatggc gtttgcctcg gcttcgctg ggccagcatc agtttagcg 420
 96 gttggataaaa tcctcggaa tttggctctg cttcgtaga gtgttatagc ccgtggaaat 480
 97 acagccagct gggactgagg attgcgactt ttgtcaagga tgctggcgta atggtaaat 540
 98 gccgc 545
 100 <210> SEQ ID NO: 6
 101 <211> LENGTH: 545
 102 <212> TYPE: DNA
 103 <213> ORGANISM: Kluyveromyces wickerhamii
 105 <400> SEQUENCE: 6
 106 aaaccaaccg ggattgcctt agtaacggcg agtgaagcgg caaaagctca aatttgaat 60
 107 ctggcgtctt cgacgtccga gttgttaattt gaagaaggta acttttagc tggtccttgt 120
 108 ctatgttcct tggAACAGGA cgtcatagag ggtgagaatc ccgtgtggcg aggatcccag 180
 109 ttatATGtaa agtgcttcg acgagtcgag ttgttggga atgcagctct aagtgggtgg 240
 110 taaattccat ctaaagctaa atattggcga gagaccgata gcgaacaagt acagtgtatgg 300
 111 aaagatgaaa agaactttga aaagagagtg aaaaagtacg tgaaattgtt gaaagggaaag 360
 112 ggcatttgat cagacatggc gtttgcctcg gcttcgctg ggccagcatc agtttagcg 420
 113 gttggataaaa tcctcggaa tttggctctg cttcgtaga gtgttatagc ccgtggaaat 480
 114 acagccagct gggactgagg attgcgactt ttgtcaagga tgctggcgta atggtaaat 540
 115 gccgc 545
 117 <210> SEQ ID NO: 7
 118 <211> LENGTH: 545

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Input Set : A:\Seqlist.txt
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119 <212> TYPE: DNA
120 <213> ORGANISM: Kluyveromyces dobzhanskii
122 <400> SEQUENCE: 7
123 aaaccaaccg ggattgcctt agtaacggcg agtgaagcgg caaaagctca aatttgaat 60
124 ctggcgtctt cgacgtccga gttgtattt gaagaagggtt acttttagtc tggccttgt 120
125 ttatgttcctt tggaacagga cgtcatagag ggtgagaatc ccgtgtggcg aggataaccag 180
126 ttatatgtaa agtacattcg acgagtcgag ttgtttggga atgcagctct aagtgggtgg 240
127 taaaattccat ctaaagctaa atattggcga gagaccgata gcgaacaagt acagtgatgg 300
128 aaagatgaaa agaacttga aaagagagtg aaaaagtacg tgaaattgtt gaaaggaaag 360
129 ggcatttcat cagacatggc gtttgcttcg gcttcgctg ggccagcatc agtttggcg 420
130 gctggataaa tcctcggaa tgtggctcta ccgtggtaga gtgttatagc ccgtggaaat 480
131 acagccagct gggactgagg attgcgactt ttgtcaagga tgctggcgta atggtaaat 540
132 gccgc 545

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/16/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 12,18

VERIFICATION SUMMARY

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L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0